

DATA SHEETS FOR
GUNS, HOWITZERS, AND MORTARS
INTEROPERABLE AMMUNITION

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

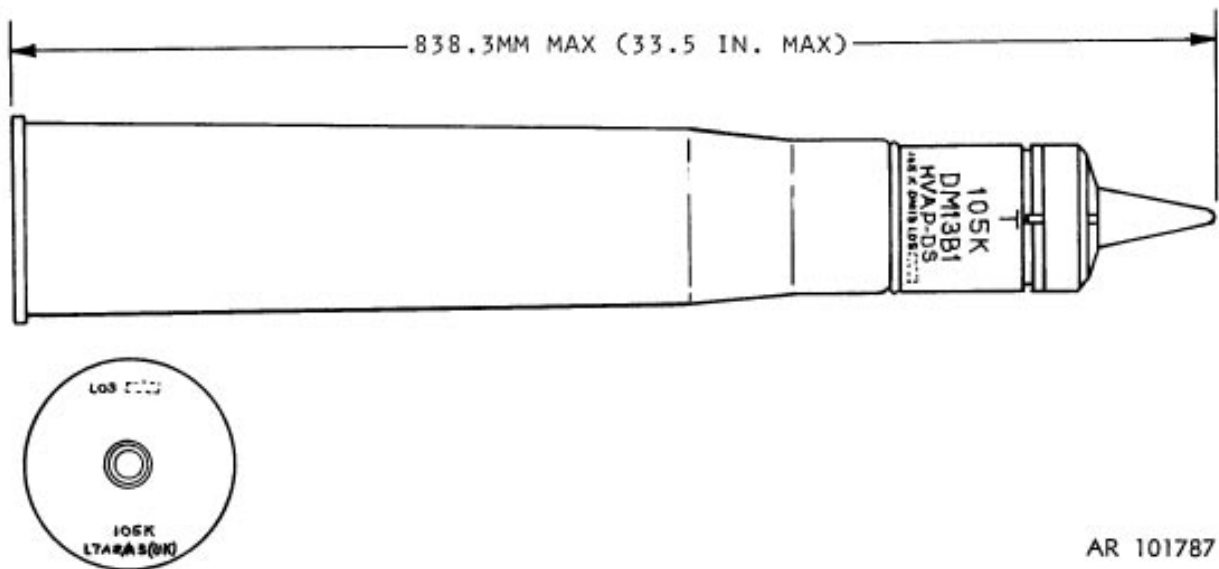
You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to Commander, US Army TACOM, Armament Research, Development and Engineering Center, ATTN: AMSTA-AR-LSB, Picatinny Arsenal, New Jersey 07801-5001. A reply will be furnished directly to you.

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CHAPTER 2
AMMUNITION
FOR
GUNS

CARTRIDGE, 105 MILLIMETER: DM13B1, HVAP-DS (GE)



AR 101787

Use:

This cartridge is a hypervelocity armor-piercing type with discarding sabot, intended for use in 105mm guns against armored targets.

Description:

The projectile consists of a sheathed tungsten carbide core with tracer and a sabot. The core, which is the armor-piercing element, is carried within the sheath with the sabot assembled on the exterior surface. A plastic band is positioned on the outside diameter of the sabot at the forward end. A fiber rotating band and a rubber obturator are assembled on the outside diameter near the base of the sabot. The igniter tube of the electric primer extends almost the entire length of the propellant loosely packed in the cartridge case.

Functioning:

The electrically initiated primer ignites the propelling charge. Gases produced by the burning propellant propel the projectile from the gun and ignites the tracer which burns for a minimum of 2.5 seconds. Setback, centrifugal, and air pressure forces cause the sabot to discard upon leaving the gun tube. The sheathed core is spin stabilized and penetrates the target solely by kinetic energy.

Tabulated Data:

Complete Round:

Type	HVAP-DS (GE)
Weight	18.55 kg (40.6 lb)
Length	838.3 mm (33.5 in.)
Cannon used with	105 mm M68 (US) 105 mm L7A1 (GE)

Projectile:

Body materialTungsten carbide core
 ColorBlack with white markings

Components:

Cartridge caseRW-244 (UK)
 Propelling chargeNQ/M.044 (UK)
 PrimerL1A4 (UK)
 TracerNo. 33, MK1 (UK)

Temperature Limits:**Firing:**

Upper limit.....+125°F (+52°C)

Storage:

Upper limit.....+145°F (+63°C)

Packing 1 round per metal container, 12 containers per pallet

Pallet:

Weight.....488.2 kg (1074.0 lb)

Dimensions1200 x 1000 x 910 mm (48 x 40 x 36.4 in.)

Cube.....1.09 m³ (38.15 ft³)

Shipping and Storage Data:

Storage class/SCG.....(08) 1.2C

DOT shipping class.....B

DOT designation.....AMMUNITION FOR CANNON WITH SOLID
 PROJECTILES

DODACNot available

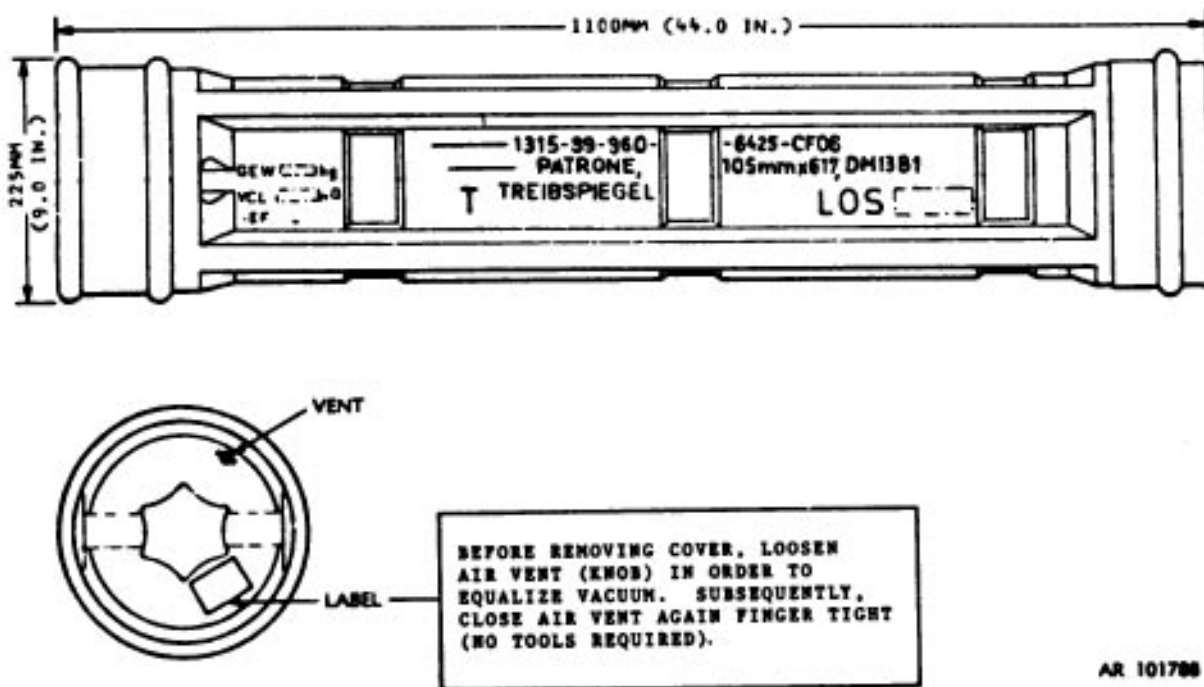
Limitations:

Not available.

References:

Not available

METAL CONTAINER FOR CARTRIDGE APDS-T, DM13B1 (GE)



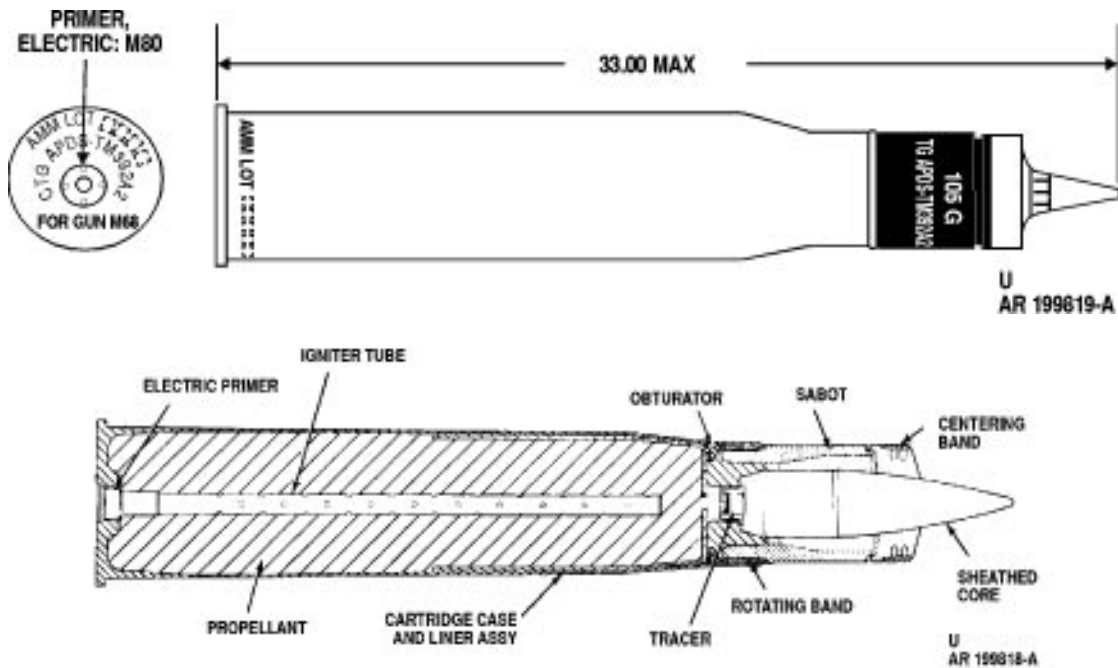
GE 105mm cartridge APDS-T, DM13B1 is packed one per metal container; 12 containers per pallet.

To open container, loosen air vent (knob) before removing the cover in order to equalize vacuum. Remove cover and cartridge; replace container cover. Close air vent finger tight (no tools required).

GE 105mm cartridge HEAT-T, M456A1 is packed one cartridge in a fiber container; two containers in a wooden box.

Open wooden box (GE) by cutting metal straps and wire seal. Release hasp or spring latch. Remove containers from box. Strip sealing tape from container, twist end cap and pull it over. Remove any padding from container. While holding hand over open end of container, tilt container to allow cartridge to slide out.

CARTRIDGE, 105 MILLIMETER: APDS-T, M392A2 AND M392 (DE)

Type Classification:

M39A2Std MSR 02787001

M392Std OTCM 38116, dtd 1961

Use:

This cartridge is a hypervelocity armor-piercing type with discarding sabot, intended for use in 105mm guns against armored targets.

Description:

The projectile consists of a sheathed tungsten carbide core with tracer and a sabot. The core, which is the armor-piercing element, is carried within the sheath with the sabot assembled on the exterior surface. A plastic band is positioned on the outside diameter of the sabot at the forward end. A fiber rotating band and a rubber obturator are assembled on the outside diameter near the base of the sabot. The igniter tube of the electric primer extends almost the entire length of the propellant loosely packed in the cartridge case.

Functioning:

The electrically initiated primer ignites the propelling charge. Gases produced by the burning propellant propel the projectile from the gun and ignite the tracer which burns for a minimum of 2.5 seconds. Setback, centrifugal and air pressure forces cause the sabot to discard upon leaving the gun tube. The sheathed core is spin stabilized and penetrates target solely by kinetic energy.

Difference Between Models:

The M392 cartridge is of United Kingdom manufacture and bears the U.K. designation of L36A1. The M392 is fitted with U.K. Primer L4A1 or L4A2.

Tabulated Data:

Complete Round:

TypeAPDS-T
Weight.....41.0 lb
Length.....33.0 in.
Cannon used withM68

Projectile:

Body materialTungsten carbide core
ColorBlack w/white marking

Components:

Cartridge caseM115, M115B1
Propelling chargeM30 (T36)
PrimerM80A1
TracerM13

Performance:

Maximum range.....36,745 meters (40,162 yd)
Muzzle velocity1,478 mps (4,850 fps)

Temperature Limits:

Firing:

Lower limit-40°F (-40°C)
Upper limit.....+125°F (+52°C)

Storage:

Lower limit-80°F (for period not more than 3 days)
Upper limit.....+160°F (for period not more than 4 hr/day)

*Packing.....1 round per fiber container; 2 containers per wooden box

*Packing Box:

Weight.....126 lb
Dimensions39-7/8 x 14-1/8 x 8-23/32 in.
Cube.....2.8 cu ft

*NOTE: See SC for complete packing data including NSN's

Shipping and Storage Data:

Quantity-distance class(08) 1.2
 Storage compatibility group.....C
 DOT shipping class.....B
 DOT designation.....AMMUNITION FOR CANNON WITH SOLID
 PROJECTILES
 DODAC1315-C505, C506
 Drawing number8863427

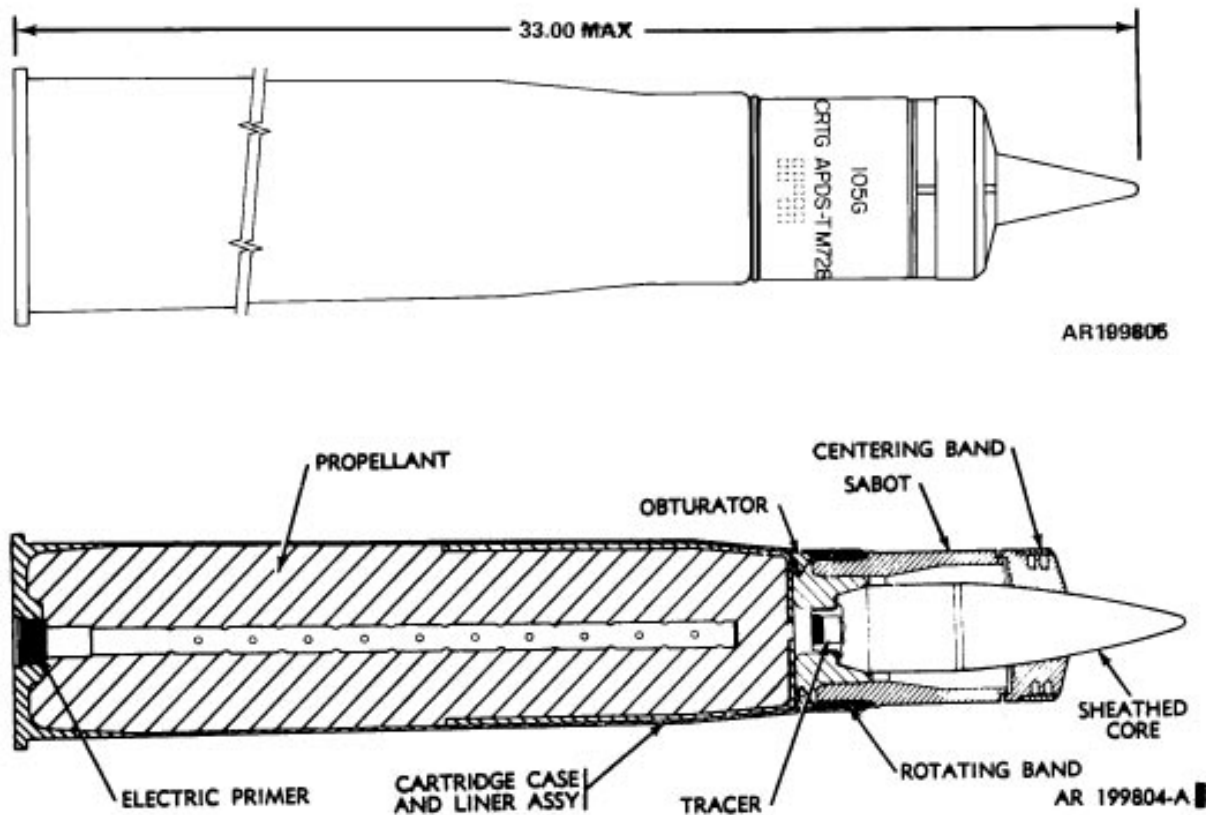
Limitations:

United Kingdom Cartridge L28A1, similar to the M392 except for its primer (L1A2, L1A3 or L1A4) is not to be fired in 105mm Gun M68, except under combat emergency conditions. The clip will remain on the cartridge case at all times until the cartridge is partially chambered.

References:

DARCOM P 700-3-3
 SB 700-20
 SC 1305/30-IL
 TM 9-1000-213-35
 TM 9-1300-251-20
 TM 9-2350-215-10

CARTRIDGE, 105 MILLIMETER: APDS-T, M728 (DE)



Type Classification:

Std MSR 02787001

Use:

This cartridge is a high velocity, flat trajectory, discarding sabot round used in 105mm gun cannons against armored targets.

Description:

The projectile consists of a tungsten, nickel, copper penetrator seated in a steel base with tracer and aluminum forward sheath. These components are encased in an aluminum and magnesium sabot. A plastic centering band encircles the sabot at the forward end. A fiber rotating band and rubber obturator are mounted toward the base of the sabot. The cartridge case contains a polyurethane laminar additive liner over the forward end of the propellant. The case is loosely packed with propellant, and is fitted with an electric primer.

*NOTE: See SC for complete packing data including NSN's.

Shipping and Storage Data:

Storage class/SCG.....(08) 1.2C
DOT shipping class.....B
DOT designation.....AMMUNITION FOR CANNON WITH SOLID
PROJECTILES
DODAC1315-C494
Drawing number9276810

Limitations:

None.

References:

DARCOM (AMC)-R 700-3-3
SB 700-20
SC 1305/30-IL
TM 9-1000-213-35
TM 9-1300-251-20
TM 9-2350-215-10

CARTRIDGE 105 MILLIMETER: HEAT-T, M456A1 (GE, NO, IT*, BE, SP)

Type Classification:

*IT manufactured

Use:

This cartridge is identical to the US 105mm, HEAT-T, M456A1 cartridge. It is a high explosive antitank cartridge against armored targets.

Description:

The steel body projectile is fitted with a plastic obturator, a threaded standoff spike assembly, a fin and boom and a PIBD fuze. A funnel-shaped copper liner within the body shapes the explosive charge of Comp B. A piezoelectric element retained in a nose cap is fitted to the spike assembly, and is connected to the BD fuze in the body. The fin is threaded to receive a tracer.

Functioning:

The electrically-initiated primer ignites the propelling charge. Gases produced by the burning propellant propel the projectile from the gun and ignite the tracer which burns for a minimum of 2.5 seconds. On impact, fuze functioning detonates the projectile and the cone collapses, creating a high velocity focused shock wave and a jet of metal particles that penetrate the target.

Tabulated Data:

Complete Round:

Type	HEAT-T
Weight.....	21.6 kg (48 lb)
Length.....	975.0 mm (39.0 in.)
Cannon used with	105 mm M68 (US) 105 mm L7A1 (GE)

Projectile:

Body materialSteel
ColorBlack w/white markings and yellow band
Filler and weight.....Comp B, 0.96 kg (2.14 lb)

Components:

Cartridge caseM148A1B1
Propellant.....M30
PrimerM83
TracerM13
FuzePIBD, M509A1

Performance:

Muzzle velocity1173 mps (3850 fps)
Maximum range.....8200 m (8975 yd)

Temperature Limits:

Firing:

Upper limit.....+125°F (+52°C)

Storage:

Upper limit.....+145°F (+63°C)

Packing.....1 round per fiber container; 2 containers per wooden box

Packing Box:

Weight.....59.9 kg (132 lb)
Dimensions1164 x 360 x 223 mm (46.5 x 14.4 x 8.9 in.)
Cube.....0.093 m³ (3.25 ft³)

Pallet:10 boxes (20 cartridges) per pallet

Weight.....599 kg (1318 lb approx)
Dimensions1200 x 1000 x 1050 mm (48 x 40 x 42 in.)
Cube.....1.26 m³ (44.1 ft³)

Shipping and Storage Data:

Storage class/SCG.....(12) 1.2E
DOT shipping class.....A
DOT designation.....AMMUNITION FOR CANNONS WITH EXPLO-
SIVE PROJECTILES
DODACNot available

Limitations:

Do not fire Cartridges M456A1 which have been tank-transported at temperatures above +120°F.

References:

DARCOM-P 700-3-3

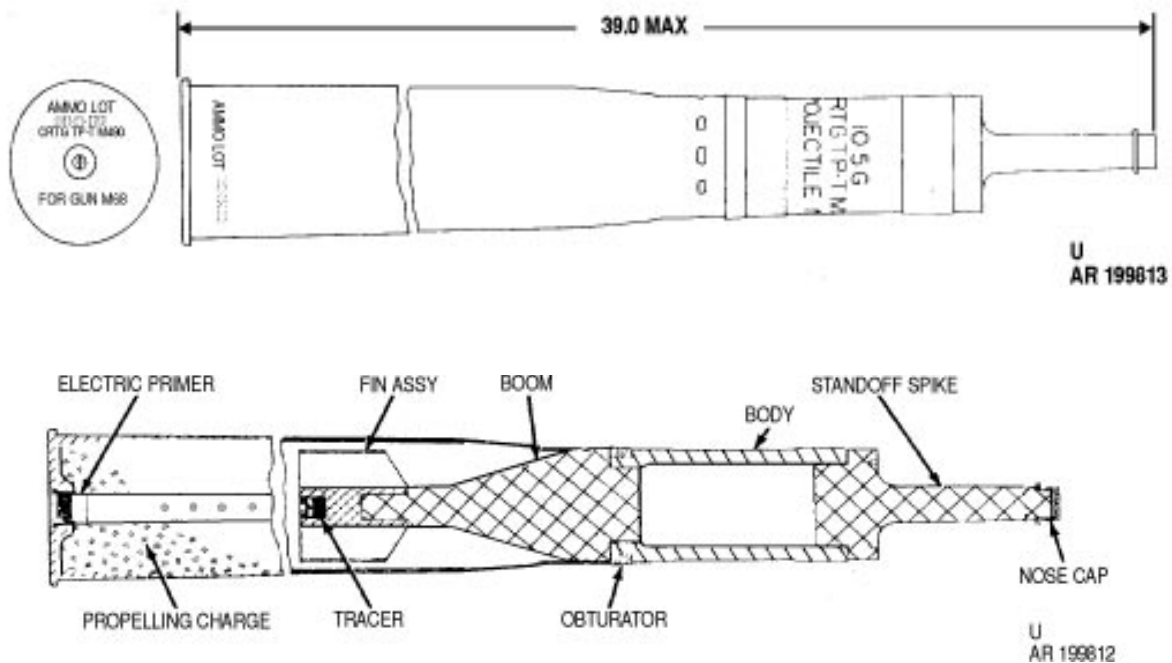
SB 700-20

SC 1305/30-IL

TM 9-1300-251-20

TM 9-2350-215-10

CARTRIDGE 105 MILLIMETER: TP-T, M490 (IT, SP)



Type Classification:

Std AMCTC 1103 dtd 1963

Use:

This cartridge is for use in 105mm gun cannons for training in marksmanship.

Description:

The cartridge is similar in external appearance and ballistically similar to HEAT-T Cartridge M456 series. The projectile consists of a steel body, an aluminum standoff spike, and a boom and fin assembly with tracer. The cartridge case is filled with loosely packed propellant and is fitted with an electric primer.

Functioning:

The electrically initiated primer ignites the propelling charge. Gases produced by the burning propellant propel the projectile from the gun and ignite the tracer which burns for a minimum of 2.5 seconds.

Tabulated Data:

Complete Round:

TypeTP-T

Weight.....45 lb
 Length.....39.0 in.
 Cannon used withM68

Projectile:

Body materialSteel
 ColorBlue w/white marking

Components:

Cartridge caseM148A1B1, M148A1
 Propelling chargeM30
 PrimerM83
 TracerM13

Performance:

Maximum range.....8,207 m (8,975 yd)
 Muzzle velocity1,170 mps (3,850 fps)

Temperature Limits:

Firing:

Lower limit-40°F (-40°C)
 Upper limit.....+125°F (+52.0°C)

Storage:

Lower limit-80°F (-62.2°C) (for period not more than 3 days)
 Upper limit.....+160°F (+71.1°C) (for period not more than 4
 hr/day)

*Packing1.....round per fiber container; 2 containers per wooden
 box

***Packing Box:**

Weight.....132 lb
 Dimensions45-7/8 x 14-1/4 x 8-3/4 in.
 Cube.....3.3 cu ft

*NOTE: See SC for complete packing data including NSN's.

Shipping and Storage Data:

Storage class/SCG(08) 1.2C
 DOT shipping classB
 DOT designation.....AMMUNITION FOR CANNON WITH INERT
 PROJECTILES
 DODAC1315-C511
 Drawing number8865533

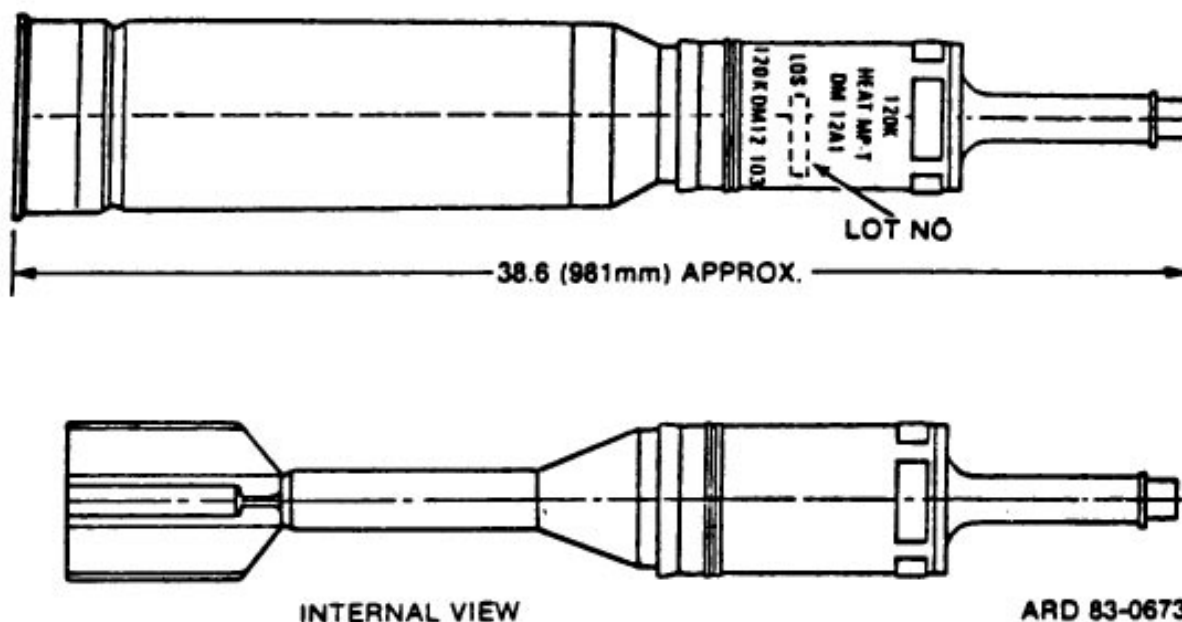
Limitations:

Cartridges M490 manufactured prior to January 1967 have a cartridge case liner which utilizes a low-melt wax. Do not fire cartridges which have been tank transported at temperatures above +120°F (+49°C).

References:

DARCOM (AMC)-R 700-3-3
SB 700-20
SC 1305/30-IL
TM 9-1300-251-20
TM 9-2350-215-10

CARTRIDGE, 120K: HEAT-MP-T, DM12A1

Use:

This cartridge is a high explosive multipurpose cartridge which has antiarmor and antipersonnel capabilities. The cartridge is fired from the 120mm smooth bore cannon.

Description:

The 120K HEAT-MP-T, DM12A1 is a chemical energy round having both antiarmor and anti-personnel capabilities. The round consists of a steel body loaded with explosive surrounding a copper shaped charge liner and wave shaper. The projectile embodies a steel spike and nose cap which initiates a base detonating fuze located at the rear of the projectile body. The projectile body has a boom and fin assembly for flight stabilization and the fin contains a tracer for projectile to target visual tracking.

The propellant system utilizes a DM10 steel stub base case with a rubber obturator at the stub case mouth and a combustible wall which encapsulates stick propellant.

Functioning:

The DM12A1 is loaded and fired in the normal manner from the 120mm smooth bore tank gun. When the electric primer in the breech of the weapon is initiated, the resulting flash ignites the propelling charge and combustible case. This generates gases which drive the projectile from the gun and ignite the tracer element.

Upon impact, the nose cap is crushed, initiating the fuze which detonates the high explosive shaped charge which collapses the cone assembly creating a high velocity focused shock wave

and a jet of metal particles that penetrate the target. Antipersonnel capability results from fragmentation of the projectile body sidewall.

Tabulated Data:

Complete Round:

Type	Fixed, High Explosive Antitank, Multipurpose w/Tracer
Weight.....	50.7 lb (23.0 kg)
Length.....	38.6 in. (981 cm)
Color	Black w/yellow markings

Temperature Limits:

Firing:

Lower limit	-40°F (-40°C)
Upper limit.....	+140°F (+60°C)

Storage:

Lower limit	-65°F (-53.8°C)
Upper limit.....	+160°F (+71.1°C)

*Packing.....1 round per fiber container; 1 fiber container per wooden box

Packing Box:

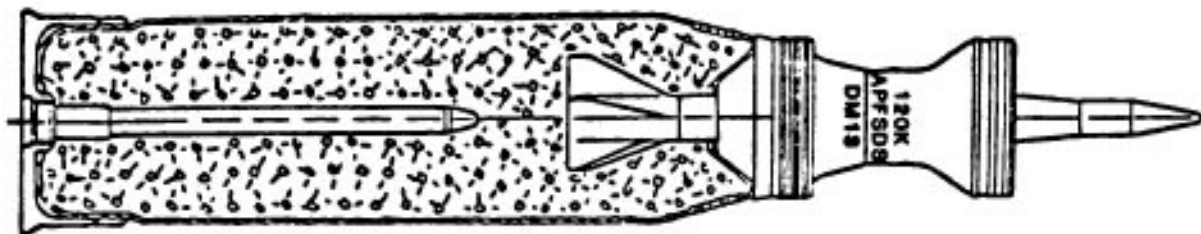
Weight.....	89 lb
Dimensions	45.6 in. x 9.02 in. x 10.24 in.
Cube.....	2.4 cu ft

*NOTE: See SC for complete packing data including NSN's.

Shipping and Storage Data:

DOD hazard class(.....	12) 1.2E
DOT shipping class.....	A
DOT designation.....	AMMUNITION FOR CANNON WITH EXPLOSIVE PROJECTILES
DODAC	Not available
Drawing number	Not available

CARTRIDGE, 120K: APFSDS-T, DM13 AND DM23



ARD 83-0674-A

Use:

The 120K (120mm) DM13 and DM23 cartridge is used to engage single and multiple plated layered, armored targets. It has a fin stabilized subcaliber projectile and a cartridge case of combustible material.

Description:

The complete round contains a propulsion system consisting of a DM10 stub case with combustible sidewall, propellant and DM72A2 primer while the projectile consists of the subprojectile and aluminum sabot. The KE penetrator is a two piece core of heavy metal which is screwed and pressed into the sabot. The sabot is made of aluminum and consists of three segments with internal threads. The segments are held together by the obturating, sealing band and sleeve seal. The fin assembly of the subprojectile is a single piece with five fins and a tracer assembly.

Functioning:

The flame of the burning propellant charge ignites the igniter composition of the tracer. The projectile is forced out of the tube of the weapon by the pressure of the propellant charge gases on the base of the sabot and the fin assembly. The cartridge case and cartridge cover burn at the same time.

The air resistance acting the air pocket of the sabot presses the three segments of the sabot outward. The sabot segments separate from the KE penetrator and fall to the ground after a short time. The KE penetrator continues to travel and is stabilized by the fin assembly (subcaliber projectile).

The target armor material is plastically deformed by the subcaliber projectile impacting at high velocity and the associated high energy effect and displaced by the KE penetrator.

Tabulated Data:

Complete Round:

TypeFixed, APFSDS-T
Weight.....18.7 kg

Projectile weight7.22 kg
 Prop chg weight7.3 kg
 Muzzle velocity.....1650 m/s
 Max gas pressure (21°C)5100 bar
 Max range98.7 km

Temperature Limits:

Firing:	<u>DM13</u>	<u>DM23</u>
Lower limit	+32°F	-40
Upper limit.....	+130°F	+140

Storage:

Lower limit-40°F (-40°C)
 Upper limit.....+140°F (+60°C)

*Packaging.....1.3 C class B Explosive

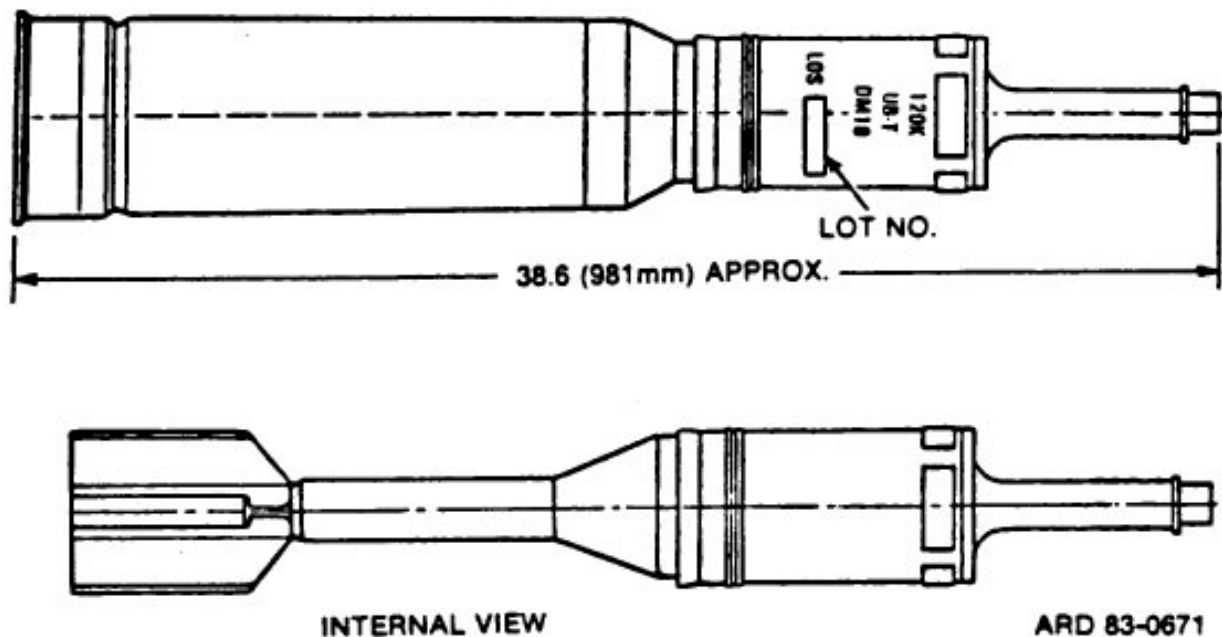
One cartridge with insert, ammunition packaging material (INSERT) DM79060 in a CONTAINER, AMMUNITION, FIBER MATERIAL (BEHFA) DM79057; 1 BEHFA DM79057 (1 cartridge) in a BOX, AMMUNITION (KIMU) DM79058

*Ammunition for Cannon with Solid Projectiles.

Supply Information:

Stock No.1315-12-178-2867
 Ammunition CodeCR02

CARTRIDGE, 120K: ÜB-T, DM18
(Übungsgeschoss-Leuchtspur/Training Projectile with Tracer)



Use:

The 120K (120mm) DM18 cartridge is a target practice round used to simulate the ballistics of the high explosive antitank multipurpose with tracer ammunition. The cartridge is fired from the 120mm smooth bore cannon.

Description:

The DM18 cartridge external appearance is identical to that of the DM12 HEAT-MP-T service round. Internally the round does not contain any explosives, shaped charge liner base fuze or nose cap. The round consists of a steel body with aluminum spike and plastic obturator, in addition to a fin and boom assembly with tracer. The complete round propellant system comprises a metal cartridge case base with combustible sidewall and DM72A2 primer. The propellant is a single perforated stick propellant, both bagged and unbagged with additional segments fitted over each fin.

Functioning:

The DM18 is loaded and fired in the normal manner from the 120mm smooth bore tank gun. When the electric primer in the breech of the weapon is initiated, the resulting flash ignited the propelling charge and combustible case. This generates gases which drive the projectile from the gun and ignite the tracer element. The flight characteristics simulate those of the service round, but does not result in an explosion or penetration upon impact.

Tabulated Data:

Complete Round:

TypeFixed, target practice
Weight.....50.7 lb (23 kg)
Length.....38.6 in. (981 mm)
ColorBlue w/white markings

Temperature Limits:

Firing:

Lower limit-8°F (-22.2°C)
Upper limit.....+127°F (+52.3°C)

Storage:

Lower limit-40°F (-40°C)
Upper limit.....+140°F (+60°C)

*Packing.....1 round per fiber container; 1 container per wooden
box

Packing Box:

Weight.....89 lb
Dimensions45.6 in. x 9.02 in. x 10.24 in.
Cube.....2.4 cu ft

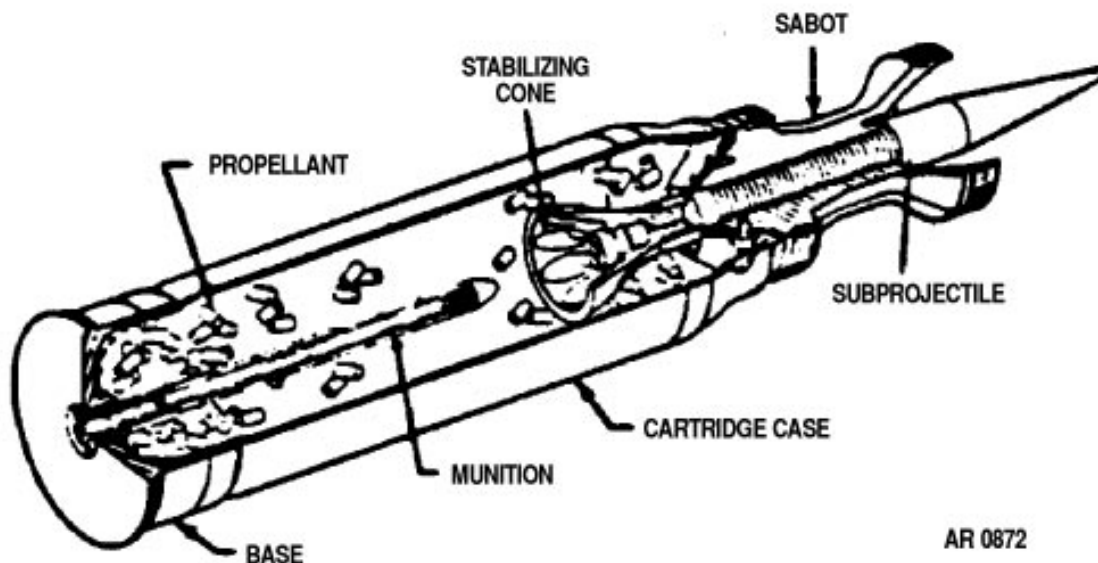
*NOTE: See SC for complete packing data including NSN's.

Shipping and Storage Data:

DOD hazard class(08) 1.2C
DOT shipping class.....B
DOT designation.....AMMUNITION FOR CANNON WITH EMPTY
PROJECTILES
DODACNot available

CARTRIDGE, 120K: ÜB-T, DM38

(Übungsgeschoss-Leuchtspur/Training Projectile with Tracer)

Use:

This cartridge is a kinetic energy, target practice round for use with the 120mm smooth bore cannon. It is designed to provide duplication of the service round characteristics at reduced maximum ranges to allow practice firings on short-range proving grounds and training areas.

Description:

The complete round contains a propulsion system consisting of a metal cartridge case base with combustible sidewall, granular propellant, and DM72A2 primer while the projectile consists of the subprojectile and aluminum sabot. The core is a one piece steel design with a tail cone assembly which is assembled into the sabot by means of threads. The tail cone contains nine holes which, in conjunction with the cone, provide stabilization. A reduction of range is obtained by the aerodynamic blocking effect of the holes. The tail cone assembly also contains a tracer. The aluminum sabot is composed of three 120× noninterchangeable segments with internal screw threads matching them on the outer diameter of the subprojectile. The sabot has a silicone rubber seal at the rear to prevent gas leakage.

The weight of the complete cartridge is approximately 18.4 kg (40.6 lb) and the weight of the subprojectile is approximately 3.2 kg (7.1 lb).

Functioning:

The DM38 is loaded and fired from the 120mm tank gun in the normal manner. Upon initiation of the electric primer in the breech of the weapon, the resulting flash ignites the propelling charge and combustible case generating gases which drive the projectile from the gun and ignite the tracer. The rear seal of the sabot prevents gas leakage between the sabot segments and the driving forces (gas) propelling the subprojectile down bore. Upon leaving the gun, aerodynamic forces cause the sabot to separate from the subprojectile allowing the subprojectile to continue to target while the sabot segments fall quickly to earth. The tail cone segment of the subprojectile, due to the nine hole arrangement, causes aerodynamic slowing of the subprojectile to limit its range to 7500m.

Tabulated Data:

Complete Round:

TypeFixed, TPCSDS-T
 Weight.....40.6 lb (18.4 kg)
 ColorBlue w/white markings

Temperature Limits:

Firing:

Lower limit-35°F (-31.6°C)
 Upper limit.....+125°F (+51.7°C)

Storage:

Lower limit-50.8°F (-46°C)
 Upper limit.....+145.4°F (+63°C)

Performance:

Chamber pressure56500 psi @ 70°F (3900 bars @ 21°C)

Packaging.....Standard German Packaging as Supplied (Government Furnished Material)

*Packing.....1 round per fiber container; 1 container per wooden box

Packing Box: Standard German Packaging (Wooden Box) as Supplied (Government Furnished Material)

Weight.....78 lb
 Dimensions45.6 in. x 9.02 in. x 10.24 in.
 Cube.....2.4 cu ft

*NOTE: See SC for complete packing data including NSN's.

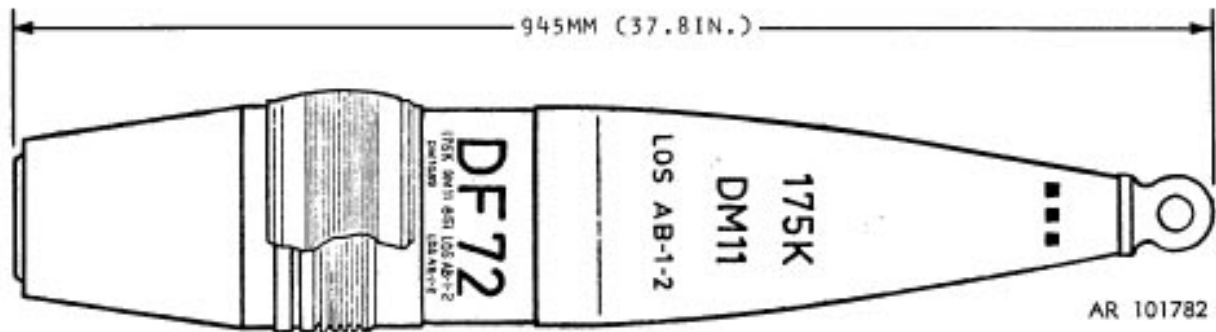
Shipping and Storage Data:

DOD hazard class(08) 1.2
 Storage compatibility group.....C
 DOT shipping class.....B
 DOT designation.....AMMUNITION FOR CANNON WITH SOLID
 PROJECTILES
 DODACNot available

WARNING

**THE CORE/PENETRATOR OF TARGET
 PRACTICE ROUNDS CAN CAUSE DAMAGE
 AND PENETRATE ARMORED VEHICLES.**

PROJECTILE, 175 MILLIMETER: HE, DM11 (GE)

Use:

This projectile is used for fragmentation, blast, and mining in support of ground troops and armored columns.

Description:

The projectile consists of a hollow steel forging with a boattailed base, a streamlined ogive, a gilding metal rotating band, and a nylon obturating band. A base cover is welded to the base of the projectile for added protection against the entrance of hot gases from the propelling charge during firing. The nose of the projectile is fitted with a threaded eye bolt lifting plug to facilitate handling and provide a closure for the fuze cavity. The projectile is made with a deep fuze cavity and is loaded with Composition B. Deep cavity projectiles contain a supplementary charge in the fuze cavity. A cardboard spacer is placed in the fuze cavity between the supplementary charge and the lifting plug to limit movement of the supplementary charge during shipping and handling. The rotating band is protected by a removable grommet. The loaded projectile is zoned into one of four weight zones ranging from 64.7 to 66.8 kg (142.3 to 146.9 lb). The weight zone of the projectile is indicated by the number of yellow squares and prick punch marks on the ogive of the projectile.

Functioning:





When the weapon is fired, Primer M82 ignites the igniter pad of the propelling charge. The burning pad ignites the black powder in the core assembly. Sparks and flame flash through perforations in the igniter core tubes in a pattern designed to assure uniform ignition of the propellant increments. Gases generated by the burning propellant force the projectile through the gun tube with the velocity required to reach the target. The rotating band engages the barrel rifling to impart spin for stabilization in flight. The obturating band expands to prevent leakage of gas pressure past the projectile, and is discarded upon leaving the weapon. The projectile is detonated on impact.

Tabulated Data:

Projectile:

TypeHE

Weight Zone Information:

Zone	Loaded Projectile (w/o Fuze)		Marking Yellow Squares
	kg Over	lb Up to & Incl	
1	64.7(142.3)	65.3(143.6)	
2	65.2(143.4)	65.8(144.7)	
3	65.7(144.5)	66.3(145.8)	
4	66.2(145.6)	66.8(146.9)	

Length:

W/o lifting plug867 mm (34.68 in.)
W/lifting plug945 mm (37.81 in. max)
Cannon (Weapon) used with.....M113, M113A1 (M107)

Body material.....Forged steel

ColorOlive drab w/yellow markings

Filler and weight:

M437A2.....Comp B 14.0 kg (31 lb); Supp Chg 0.14 kg (0.30 lb)
TNT

Components:

Propelling chargeDM22 (2 Increment)
Propelling chargeDM32 (3 Increment)
PrimerM82 (US M107 weapon)
PrimerDM19A1 (GE M107 weapon)

FuzeDM241

Temperature Limits:

Firing:

Upper limit.....+125°F (+52°C)

Storage:

Upper limit.....+145°F (+63°C)

Packing.....6 projectiles per pallet

Pallet:

Weight 430 kg (946.0 lb)
Dimensions 650 x 425 x 1080 mm (26 x 17 x 43.2 in.)
Cube 0.3 m³ (10.5 ft³)

Shipping and Storage Data:

Storage class/SCG (21) 1.1D
DOT shipping class A
DOT designation EXPLOSIVE PROJECTILE
DODAC DF72

Limitations:

Not available

References:

Not available